

FIG. 1

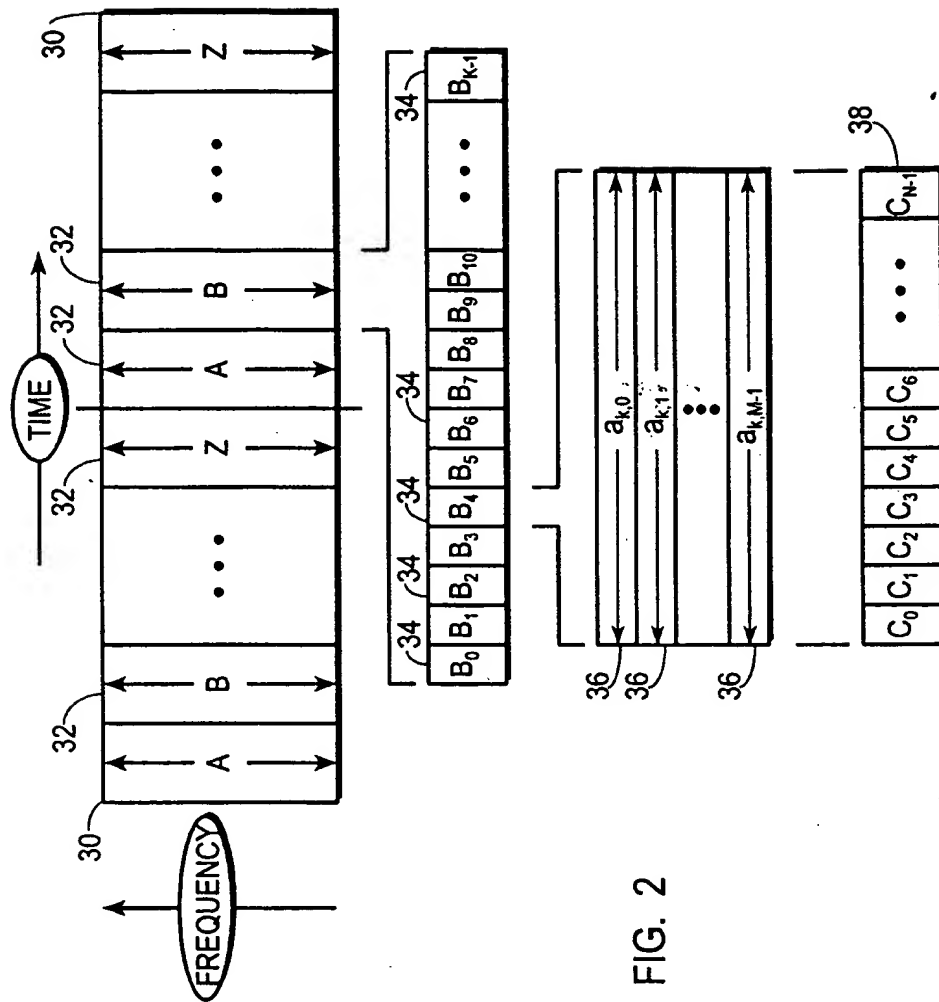
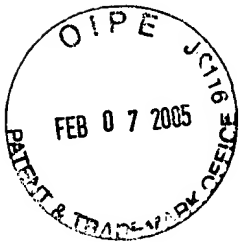


FIG. 2



Method and Apparatus for Wireless Communication  
Lakkis  
09/670054  
034321.0002Util

PREVIOUSLY PRESENTED

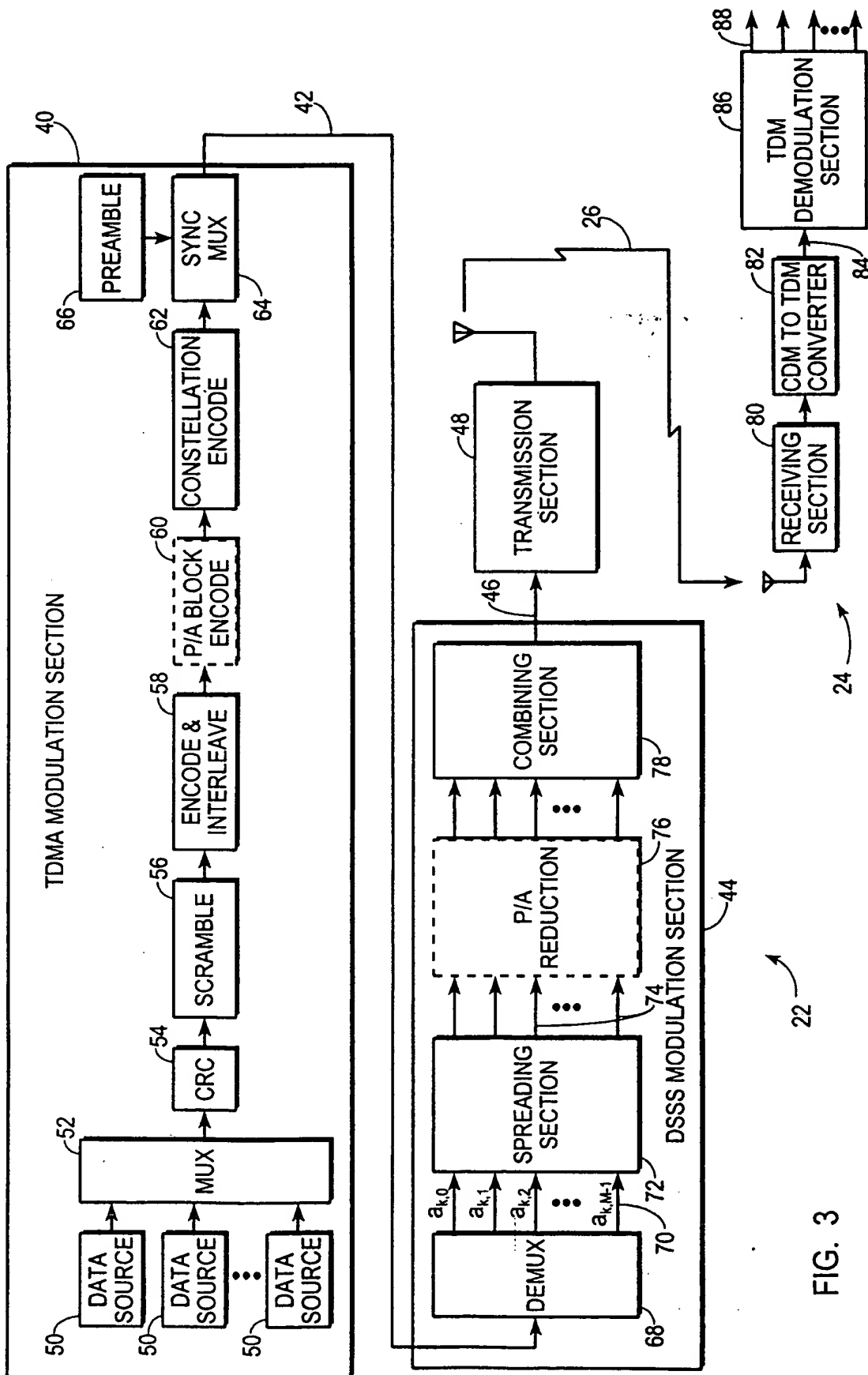


FIG. 3

Figure 1 illustrates a 3D array structure 38. The array is organized into columns labeled  $k = -1$ ,  $k = 0$ , and  $k = +1$ . Each column contains a sequence of elements, with the first element in each column being a shaded square. The array is divided into three sections, each labeled 34, indicating a repeating pattern of elements.

[illegible]

FIG. 5

Block diagram illustrating a parallel FIR filter structure (FIG. 5). The input signal  $a_{k,0}$  is split into  $M$  parallel paths. Each path contains a delay block (DELAY  $1T$ , DELAY  $2T$ , ..., DELAY  $(M-1)T$ ) and a multiplier ( $\times$ ). The outputs of the multipliers are summed in an ADD block to produce the final output  $46$ . The coefficients  $C_0, C_1, \dots, C_{N-1}$  are stored in a memory block  $94$  and connected to the multipliers via a bus  $74$ .

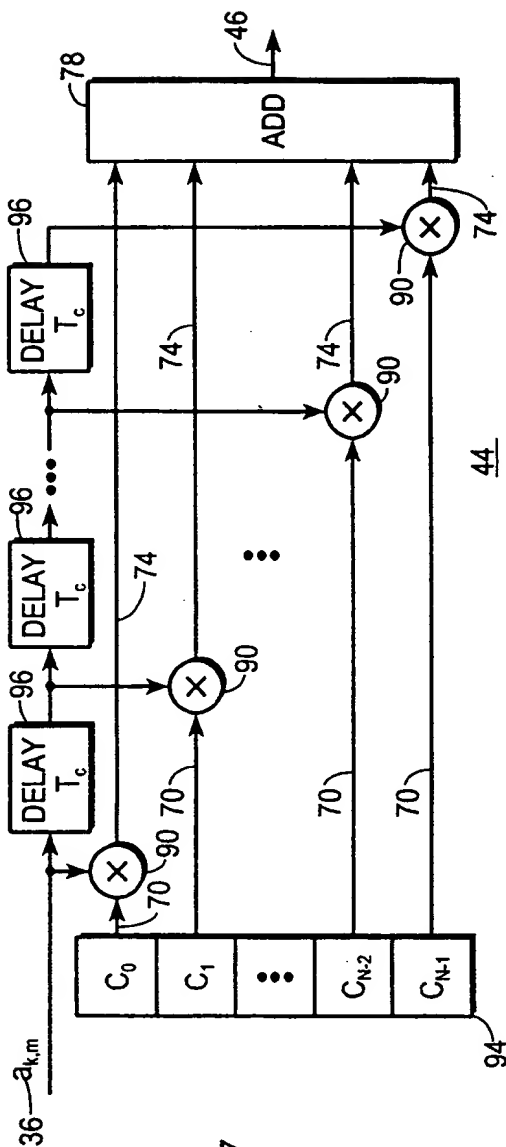
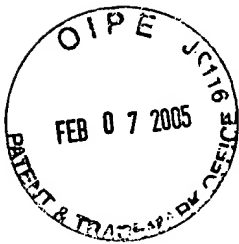


FIG. 7

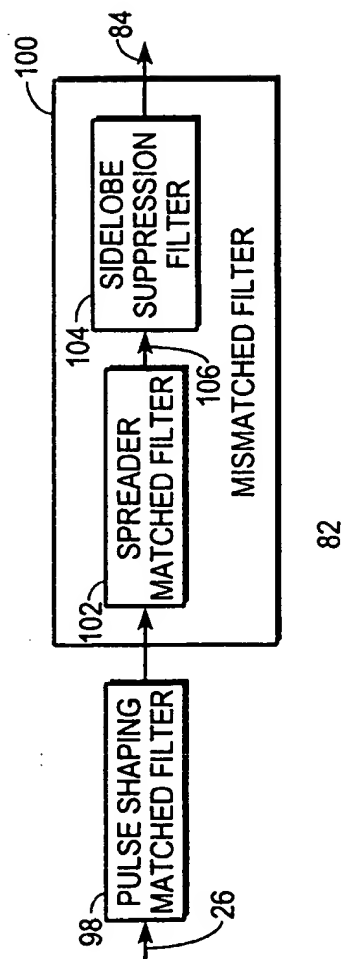
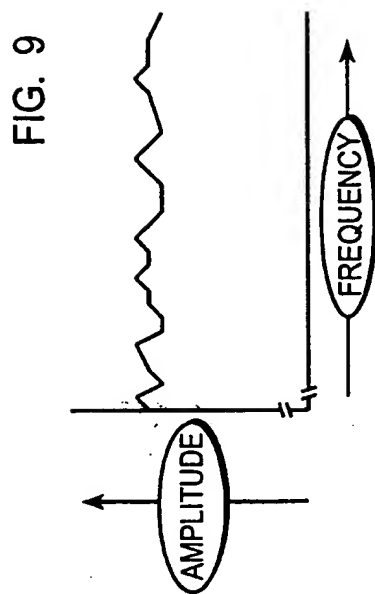


FIG. 8





Method and Apparatus for Wireless Communication  
Lakkis  
09/670054  
034321.0002Util

PREVIOUSLY PRESENTED

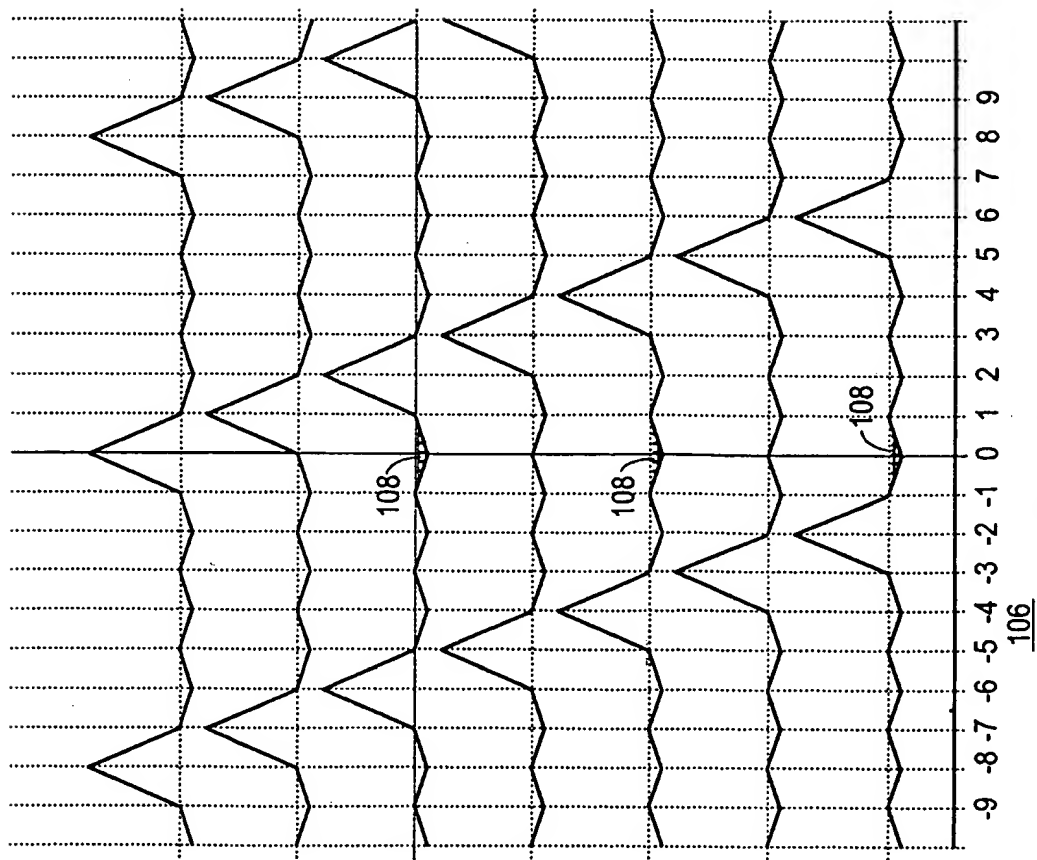


FIG. 10

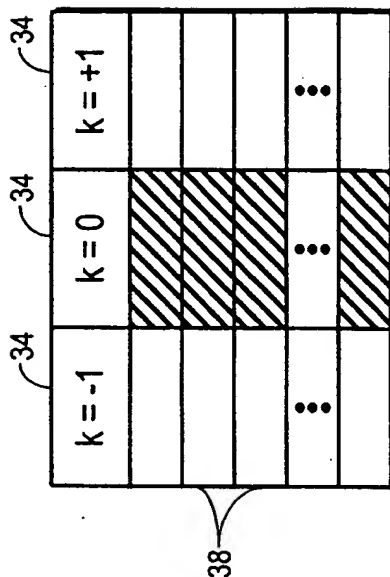
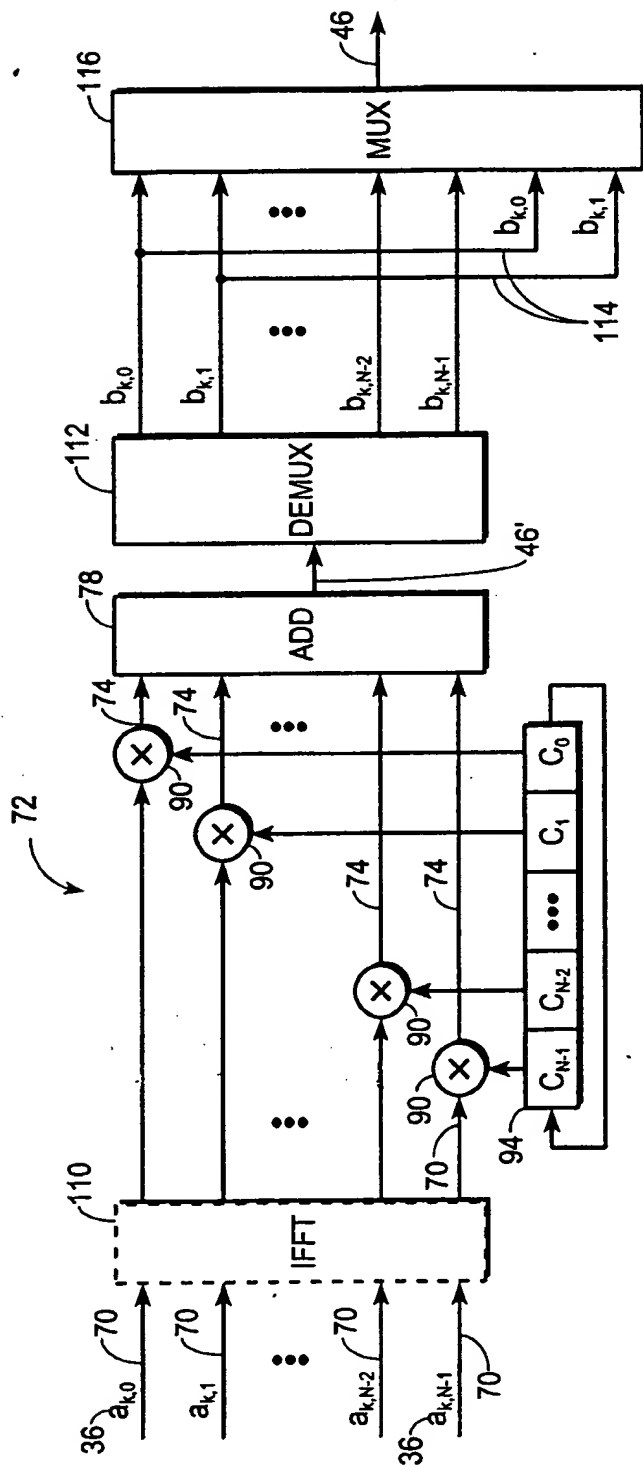


FIG. 11



Method and Apparatus for Wireless Communication  
Lakkis  
09/670054  
034321.0002Util

REPLACEMENT SHEET



44

FIG. 12

